

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU100421\
 Data File : VU045086.D
 Acq On : 04 Oct 2021 10:22
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD050084

Quant Time: Oct 05 02:35:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Sep 25 02:36:00 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	265238	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	255480	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.816	152	128914	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.601	65	101143	34.83	ug/L	0.00
Spiked Amount	50.000	Range 60 - 135	Recovery =	69.66%		
7) Chloroethane-d5	1.912	69	88508	38.47	ug/L	0.00
Spiked Amount	50.000	Range 70 - 130	Recovery =	76.94%		
11) 1,1-Dichloroethene-d2	2.572	63	192174	39.41	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery =	78.82%		
21) 2-Butanone-d5	4.629	46	209401	91.22	ug/L	0.00
Spiked Amount	100.000	Range 40 - 130	Recovery =	91.22%		
24) Chloroform-d	5.070	84	201669	43.98	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery =	87.96%		
26) 1,2-Dichloroethane-d4	5.706	65	134761	43.38	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery =	86.76%		
32) Benzene-d6	5.732	84	383890	43.30	ug/L	0.00
Spiked Amount	50.000	Range 70 - 125	Recovery =	86.60%		
36) 1,2-Dichloropropane-d6	6.697	67	126141	43.64	ug/L	0.00
Spiked Amount	50.000	Range 70 - 120	Recovery =	87.28%		
41) Toluene-d8	7.903	98	336884	44.03	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery =	88.06%		
43) trans-1,3-Dichloroprop...	8.182	79	61463	47.80	ug/L	0.00
Spiked Amount	50.000	Range 60 - 125	Recovery =	95.60%		
47) 2-Hexanone-d5	8.636	63	156195	97.51	ug/L	0.00
Spiked Amount	100.000	Range 45 - 130	Recovery =	97.51%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	200840	44.62	ug/L	0.00
Spiked Amount	50.000	Range 65 - 120	Recovery =	89.24%		
66) 1,2-Dichlorobenzene-d4	12.198	152	129543	46.17	ug/L	0.00
Spiked Amount	50.000	Range 80 - 120	Recovery =	92.34%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.388	85	120319	47.38	ug/L	98
3) Chloromethane	1.520	50	135071	42.67	ug/L	98
5) Vinyl chloride	1.607	62	141656	45.67	ug/L	99
6) Bromomethane	1.855	94	81727	54.94	ug/L	100
8) Chloroethane	1.935	64	87968	45.19	ug/L	100
9) Trichlorofluoromethane	2.141	101	173048	48.75	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	108271	48.32	ug/L	98
12) 1,1-Dichloroethene	2.584	96	101839	49.58	ug/L	84
13) Acetone	2.633	43	232374	87.57	ug/L	98
14) Carbon disulfide	2.797	76	310949	47.25	ug/L	100
15) Methyl Acetate	2.954	43	147517	45.08	ug/L	96
16) Methylene chloride	3.051	84	119808	46.04	ug/L	95
17) trans-1,2-Dichloroethene	3.359	96	106879	49.40	ug/L	98
18) Methyl tert-butyl Ether	3.369	73	367318	51.48	ug/L	99
19) 1,1-Dichloroethane	3.877	63	214615	47.68	ug/L	100
20) cis-1,2-Dichloroethene	4.671	96	119598	50.16	ug/L	92
22) 2-Butanone	4.710	43	263912	88.86	ug/L	97
23) Bromochloromethane	4.980	128	58683	48.55	ug/L	95
25) Chloroform	5.096	83	214495	47.93	ug/L	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.800	62	179673	48.00	ug/L	100
29) Cyclohexane	5.395	56	196593	51.19	ug/L	97
30) 1,1,1-Trichloroethane	5.324	97	176986	50.04	ug/L	99
31) Carbon tetrachloride	5.530	117	138329	49.52	ug/L	98
33) Benzene	5.780	78	468739	49.47	ug/L	100
34) Trichloroethene	6.546	95	115378	50.69	ug/L	100
35) Methylcyclohexane	6.768	83	199735	52.42	ug/L	97
37) 1,2-Dichloropropane	6.796	63	124237	48.16	ug/L	99
38) Bromodichloromethane	7.112	83	158707	50.18	ug/L	99
39) cis-1,3-Dichloropropene	7.613	75	194323	52.64	ug/L	99
40) 4-Methyl-2-pentanone	7.796	43	405586	94.11	ug/L	97
42) Toluene	7.973	91	498264	51.75	ug/L	100
44) trans-1,3-Dichloropropene	8.214	75	187101	53.30	ug/L	99
45) 1,1,2-Trichloroethane	8.404	97	117824	50.39	ug/L	99
46) Tetrachloroethene	8.558	164	80202	49.30	ug/L	98
48) 2-Hexanone	8.687	43	357914	93.65	ug/L	99
49) Dibromochloromethane	8.816	129	115329	49.88	ug/L	100
50) 1,2-Dibromoethane	8.928	107	126444	51.65	ug/L	99
51) Chlorobenzene	9.452	112	296342	49.86	ug/L	99
52) Ethylbenzene	9.575	91	533503	52.45	ug/L	99
53) m,p-Xylene	9.697	106	204745	53.14	ug/L	98
54) o-xylene	10.105	106	203446	53.73	ug/L	99
55) Styrene	10.118	104	345485	53.06	ug/L	99
57) 1,1,2,2-Tetrachloroethane	10.787	83	208609	46.60	ug/L	99
59) Bromoform	10.295	173	80747	50.50	ug/L	100
60) 1,2,3-Trichloropropane	10.828	75	172074	48.26	ug/L	99
61) Isopropylbenzene	10.488	105	527943	55.96	ug/L	100
62) 1,3,5-Trimethylbenzene	11.092	105	453729	57.59	ug/L	99
63) 1,2,4-Trimethylbenzene	11.472	105	465639	57.71	ug/L	100
64) 1,3-Dichlorobenzene	11.748	146	227348	52.14	ug/L	99
65) 1,4-Dichlorobenzene	11.841	146	228854	51.16	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	231757	51.78	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.999	75	53178	51.90	ug/L	93
69) 1,3,5-Trichlorobenzene	13.224	180	161938	53.52	ug/L	99
70) 1,2,4-trichlorobenzene	13.844	180	141738	56.37	ug/L	99
71) Naphthalene	14.089	128	530007	60.83	ug/L	100
72) 1,2,3-Trichlorobenzene	14.333	180	142794	55.51	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

